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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/706,792	11/07/2000	Won-Uk Yu	P-148	8343
34610	7590	07/01/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			LONSBERRY, HUNTER B	
			ART UNIT	PAPER NUMBER
			2611	

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/706,792

Applicant(s)

YU, WON-UK

Examiner

Hunter B. Lonsberry

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5-9,11-21,23-26,28-31 and 33-35 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,5-9,11-21,23-26,28-31 and 33-35 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 5-6, 9, 13, 17, 21, 26, and 31 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,219,839 to Sampsell.

Regarding claims 1, 5, 9, 13, 17, 21, 26, and 31, Sampsell discloses an apparatus for connecting a TV and a computer (Figure 1, 2), comprising:

a TV coding unit for encoding control signals including a TV signal generated in a TV and generating a first packet signal (column 4, lines 5-11, 44-62, column 6, lines 11-20, ERG and control commands to request content from the PC via IEEE 1394);

a computer coding unit for encoding a computer signal including at least one of a video signal, an audio signal and a control signal generated in a computer and

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generating a second packet signal (PC 54 may output video to the TV or data content column 5, lines 40-57);

a TV transmission and receiving unit provided in the TV for receiving the first packet signal, transmitting the received first packet signal to the computer and receiving the second packet signal from the computer (IEEE 1394 interface, column 5, line 67-volumn 6, line 6 33-57);

a computer transmission and receiving unit (IEEE 1394 interface) provided in the computer for receiving the second packet signal, transmitting the received second packet signal to the outside and receiving the first packet signal from the TV (column 5, lines 40-57, column 6, lines 20-56, the PC 54 receives control commands from the receiver, outputs EPG info as well as outputs data for viewing on the user's TV);

a TV decoding unit provided in the TV for receiving the second packet signal from the TV transmission and receiving unit, decoding the same and recovering into an original signal (IEEE 1394 interface receives the data from the PC, and displays it, column 5, lines 40-57);

A computer decoding unit for receiving the first packet signal from the computer transmission and receiving unit, decoding the first packet signal and recovering into an original signal (IEEE 1394 interface receives the control signal and informs the PC to direct its video output to the receiver, column 5, lines 40-57) and

A transmission line (figures 1,2, column 4, lines 25-30) connected between the TV transmission and receiving unit and the computer transmission and receiving unit of the computer for transmitting the first packet signal and second packet signal.

Regarding claim 2, Sampsell discloses the use of IEEE 1394 cables, which act as transmission lines (column 4, lines 25-30).

Regarding claim 6, Sampsell discloses that the control signal is generated in TV 12 (column 5, lines 40-57).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 14, 16, 20, 25, 30, and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,219,839 to Sampsell.

Regarding claims 14, 16, 20, 25, 30, and 35, Sampsell discloses transmitting information from a TV to a PC.

Sampsell does not disclose the use of a wireless interface for transmission.

The examiner takes official notice that the use of a wireless transmission interface is notoriously well known in the art (for example, WLAN, Bluetooth). Wireless

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interfaces allow communications between devices located in different rooms without the user having to lay cable to connect the devices.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify Sampsell to utilize a wireless interface for transmission, thus providing a user with an easy way to communicate between devices without having to lay cable.

4. Claims 7, 8, 11, 18, 23, 28, and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,219,839 to Sampsell in view of U.S. Patent 5,850,340 to York.

Regarding claims 7, 8, 11, 18, 23, 28, and 33, Sampsell discloses a computer and TV operation method

performing main routine (column 4, lines 5-11, column 6, lines 50-54) forming and displaying an EPG)

outputting a video signal data, and control data of a computer to a TV (column 5, line 40-column 6, line 6, 44-57)

outputting control data from the television to the PC (column 5, lines 45-57, column 6, lines 40-57) via the use of a remote control (column 7, lines 38-45).

Sampsell does not disclose outputting audio data from a PC to the user's TV and outputting mouse data and keyboard data to the computer.

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York discloses a PC1 which receives commands from a remote mouse 14 and keyboard 13, which control both the display of TV 11 and pc 1, video and audio is transmitted to NTSC encoder 9 which then transmits it to TV 11 via RF transmitter 10 and receiver 15, additionally a cable modem 26 within base unit module 12, transmits cable modem data received from a cable outlet near TV 11, to a cable modem receiver 27 within computer module 5, the data is then relayed to PC 1 to be processed (column 4, lines 9-column 5, line 4, column 7, line 55-column 8, line 24), thus providing an enhanced user experience by presenting audio and providing an easy interface to control a computer.

Therefore, it would have been obvious to one skilled in the art at the time of invention to modify the Sampsell to transmit audio and utilize a keyboard and mouse as taught by York, thus providing an enhanced user experience by presenting audio and providing an easy interface to control a computer.

5. Claims 12, 15, 19, 24, 29, 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,219,839 to Sampsell in view of U.S. Patent 6,567,032 to Mullaly.

Regarding claims 12, 15, 19, 24, 29, 34, Sampsell discloses transmitting control commands to a PC from a TV.

Sampsell fails to disclose utilizing a microphone.

Mullaly discloses that the remote control may receive voice input commands (column 8, lines 8-14), thus providing an easy to use interface. Mullaly inherently makes

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use of a microphone, as a microphone is required to receive a voice signal prior to converting it into a computer readable format for manipulation.

Therefore it would have been obvious to one skilled in the art at the time of invention to modify Sampsell to utilize a microphone as taught by Mullaly, thus providing an easy to use interface.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hunter B. Lonsberry whose telephone number is 571-272-7298. The examiner can normally be reached on Monday-Friday during normal business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Grant can be reached on 571-272-7294. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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HBL

A handwritten signature in black ink, appearing to read "Chris Grant". The signature is fluid and cursive, with the first name "Chris" and last name "Grant" clearly distinguishable.

CHRIS GRANT
PRIMARY EXAMINER